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(54) Title: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

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1 ATGGTGTCTCT CCCAGGAGGA GCCGGACTCC GCGCGGGGCA CGAGCGAGGC
51 GCAGCCGCTC GGGCCCCGGC CCACGGGGGC CGCTCCGGG CCCGGGCCGG
101 GACCCCTCGGA CAGCCCCGAG GCGGCTGTGC AGAAGGTGGA GGTGGAGCTG
151 GCGGGGCGGG CGACCGCGGA GCCCCATGAG CCCCCGAAAC CCCCGGAGGG
201 CGGCTGGGGC TGGCTGGTGA TGCTGGCGGC CATGTGGTGC AACGGGTCCG
251 TGTTCGGCAT CCAGAAGCCT TGCGGGGTGC TCTTCGTGTC CATGCTGGAA
301 ACCTTCGGCT CCAAGAGCGA TGACAAGATG GTCTTTAAGA CAGCAGCATG
351 GGTAGGTTCT CTCTGCATGG GGATGATTTT CTTTTGCTGC CCAATAGTCA
401 GCGTETTCAC AGAGCTATTT GGTGTGCGA AAACAGCTGT CGTGGGTGCT
451 GCTGTTGGAT TTGTTGGGCT CATGTCCAGT TCTTTTGTAA GTTCCATCGA
501 GCCTCTGTAC CTTACCTATG GAATCATATT TGCCTGCGGC TGCTCCTTTG
551 CATACCCAGC TTCAATTGGT ATTTTGGGAC ACTATTTCAA GAAGCGCCTT
601 GGACTGGTGA ATGGCATTGT CACTGCTGGC AGCAGTGTCT TCACAATCCT
651 GCTGCCCTTG CTCTTAAGGG TTCTGATTGA CAGCGTGGGC CTCTTTTACA
701 CATTGAGGGT GCTCTGCATC TTCTGTTTG TTCTCTTTCT GGCTGGCTTT
751 ACTTACCGAC CTCTTGCTAC CAGTACCAAA GATAAAGAGA GTGGAGGTAG
801 CGGATCCTCC CTCTTTTCCA GGAAAAAGTT CAGTCCTCCA AAAAAAATTT
851 TCAATTTTGC CATCTTCAAG GTGACAGCTT ATGCAGTGTG GGCAGTTGGA
901 ATACCACTTG CACTTTTGGG ATACTTTGTG CCTATGTGTC ACTTGATGAA
951 ACATGTAAT GAAAGATTTC AAGATGAAAA AAATAAAGAG GTTGTCTCA
1001 TGTGCATTGG CGTCACCTCA GGAATTGGAC GACTGCTCTT TGGCCGGATT
1051 GCAGATTATG TGCCTGTTGT GAAAGAGGTT TATCTACAGG TACTCTCCTT
1101 TTTCTTCATT GGTCTGATGT CCAATGATGAT TCCTCTGTGT AGCATCTTTG
1151 GGGCCCTCAT TGCTGTGTGC CTCATCATGG GTCTCTTCCA TGGATGCTTC
1201 ATTTCCATTA TGGCTCCCAT AGCCTTTGAG TTAGTTGGTG CCCAGGATGT
1251 CTCCCAAGCA ATTGGATTTC TGCTCGGATT CATGTCTATA CCCATGACTG
1301 TTGGCCCAAC CATTGCAGGG TTAATTCTGG ACAAACCTGG CTCCTATGAT
1351 GTGGCAATCT AACTCGGTGG AGTCCCTCC CTTATTGGAG GTGCTGTGCT
1401 TTGTTTATC CCGTGGATCC ATAGTAAGAA GCAAAGAGAG ATCAGTAAAA
1451 CCACTGGAAA AGAAAAGATG GAGAAAATGT TGGAAAAACA GAACTCTCTG
1501 CTGTCAAGTT CATCTGGAAT GTTCAAGAAA GAATCTGACT CTATTATTTA
1551 A (SEQ ID NO: 1)

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Stop Codon: 1549

(57) Abstract: The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the transporter peptides, and methods of identifying modulators of the transporter peptides.

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